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The Secretary
Federal Communications Commission
1919 M Street NW Room 222
Washington DC 20554

Dear Secretary;

Enclosed herein are four copies of a petition for rule making on behalf of Bozeman Educational Access Radio, a non profit corporation in the state of Montana.

This petition requests the allocation of FM channel 240 Bozeman, Montana and asks it be designated as an educational channel.

This filing is not accompanied by a processing fee due to the applicant's status as a fee-exempt, non commercial organization.

Please contact the undersigned should you have any questions regarding this matter.

Very truly yours,



C Howard McDonald

BIG M Broadcast Services
on behalf of Bozeman Educational
Access Radio

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PETITION FOR RULEMAKING

ALLOCATION OF FM CHANNEL 240

TO

BOZEMAN, MONTANA

BOZEMAN EDUCATIONAL ACCESS RADIO
BOZEMAN, MONTANA

**BEFORE THE
Federal Communications Commission
Washington DC**

IN THE MATTER OF:

A petition for rulemaking by BOZEMAN)
EDUCATIONAL ACCESS RADIO (B.E.AR.))
of Bozeman, Montana, seeking an amendment)
to the FM Table of Allotments, Section 73.202)
of the Commission's Rules.)

TO THE COMMISSION:

This petition for rulemaking asks the Commission to amend the FM Table of Allotments by adding Channel 240 (95.9 mHz) to Bozeman, Montana as an additional channel reserved for educational use.

If granted, this allotment will allow for an additional non-commercial (NCE) channel at Bozeman. At present, the educational portion of the FM band (88 to 92 mHz) is nearly closed to new authorizations due to the proximity of two Channel 6 stations, KTVM at Butte, Montana and KSVI at Billings, Montana (see Exhibit One) along with NCE FM station KGLT at Bozeman (91.9 mHz).

The need for additional educational allotments in the area was first brought to the Commission's attention by the petitions and subsequent allocations of Channel 271 (102.1 mHz) to Bozeman and channel 295 (106.9 mHz) at Butte, Montana.

Therefore, an integral part of this petition requests the channel in question be designated as educational.

The petitioner asks the channel be designated class C3. All separations shown in Exhibit Two are based on Section 73.207 of the Commission's Rules. All exhibits show separations in kilometers.

This petition is based on geographical co-ordinates N45- 40'-37" and W111-02'-33". the official coordinates of Bozeman.

EXHIBITS FOLLOW

EXHIBIT ONE

The attached coverage map shows the 47 dBu contour of KTVM, Channel 6, at Butte, Montana.

It will be noted the 47 dBu contour encompasses the entire city of Bozeman, Montana and falls east of the city by approximately 8 km (5 miles).

Even with the minimum possible authorized class A or C3 ERP, it would be impossible for a station operating between 88 and 92 mHz to adequately serve the Bozeman area without causing objectionable interference to KTVM (Channel 6).

In addition, no NCE FM can operate above 91.1 mHz due to the authorization of KGLT (91.9 mHz) at Bozeman.

The items cited above are the primary reasons for this petition asking channel 240 be assigned to Bozeman and designated educational.

KSVI (TV) at Billings was not considered in this study because the problems associated with KTVM (channel 6) would make a KSVI study redundant.

Reference is made to the contour map on the page that follows.

EXHIBIT 1-A
COVERAGE MAP
SHOWING 47 dBu contour
KTVM (TV) Channel 6
Butte, Montana

47 dBu
 F(50,50)

KTVM - TV CH. 6

Bozeman

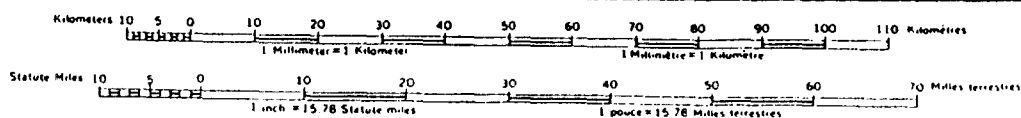


EXHIBIT TWO

Proposed rulemaking:

Amend the FM Table of Allotments to specify Channel 240 (95.9 mHz) as a new educational allocation at Bozeman, Montana.

Showing:

Minimum distance separation requirements as calculated. Proposal based on specified requirements from Section 73.207 (b) (1) of the Commission's Rules.

Freq./ Channel	City	Class	Separation		Actual	
			Required			
			km	mi	km	mi
95.3	KPND Sandpoint ID	C1 to C3	75	(47)	+322	(+200)
(237)	KECH Sun Valley ID	C1 to C3	75	(47)	+322	(+200)
95.5	KMHK Hardin MT	C to C3	96	(60)	237	(147)
(238)	KMBR Butte MT	C to C3	96	(60)	115	(72)
	KZJH Jackson WY	C to C3	96	(60)	245	(152)
95.7	KCGM Scobey MT	C1 to C3	145	(90)	+322	(+200)
(239)	KEJZ Twin Falls ID	C1 to C3	145	(90)	+322	(+200)
95.9	KKMT Columbia Falls MT					
(240)		C2 to C3	177	(110)	+322	(+200)
	KBMG Hamilton MT	C3 to C3	153	(95)	228	(142)
	KLCM Lewistown MT	A to C3	142	(88)	194	(121)
96.1	KIDFM Idaho Falls ID	C to C3	176	(109)	195	(121)
(241)						
96.3	KZIN Shelby MT	C1 to C3	76	(47)	+322	(+200)
(242)	NEW Billings MT	C1 to C3	76	(47)	196	(+122)
96.5	KQRV Deer Lodge MT					
(243)		C2 to C3	56	(35)	154	(96)
	KDZN Glendive MT	C1 to C3	76	(47)	+322	(+200)
	KWWF West Yellowstone MT					
		A to C3	42	(26)	108	(67)
10.6/10.8 mHz IF Separation			95.9 + 10.6 = 106.5	no station within 31 km (C to C3)		
			95.9 + 10.8 = 106.7	no station within 31 km (C to C3)		

Canadian separation : Bozeman to border.....342 km (213 miles)

320 km required (198 miles)

EXHIBIT THREE

Discussion on Exhibit Two:

Required and actual separations between stations:

Channel 237 (95.3 mHz) (Third adjacent channel) KPND at Sandpoint, Idaho is a class C1 station. The distance between KPND and Bozeman, Montana is well beyond 75 km, the required separation between class C1 and C3 stations. Likewise, KECH at Sun Valley, Idaho is well beyond the 75 km separation required between C1 and C3 stations.

Channel 238 (95.5 mHz) (Second adjacent channel) KMHK at Hardin, Montana is a class C station. The distance between KMHK and Bozeman, Montana is 237 km, 141 km beyond the 96 km separation required between class C and class C3 stations. KMBR at Butte, Montana is a class C station. The distance between KMBR and Bozeman, Montana is 115 km, 19 km beyond the 96 km separation required between class C and class C3 stations. KZJH at Jackson, Wyoming is a class C station. The distance between KZJH and Bozeman is 245 km, 149 km beyond the 96 km separation required between class C and class C3 stations.

Channel 239 (95.7 mHz) (First adjacent channel) KCGM at Scobey, Montana and KEJZ at Twin Falls, Idaho are both class C1 stations. Both are well beyond the 145 km separation required between class C and class C3 stations.

Channel 240 (95.9 mHz) (co-channel) KKMT at Columbia Falls, Montana is a class C2 station. The distance between KKMT and Bozeman, Montana is well beyond the 177 km separation required between class C and class C3 stations. KBMG at Hamilton, Montana is a class C3 station. The distance between KBMG and Bozeman is 228 km, 75 km beyond the 95 km required between class C3 stations. KLCM at Lewistown, Montana is a class A station. The distance between KLCM and Bozeman, Montana is 194 km, 52 km beyond the 142 km separation required between class A and class C3 stations.

Channel 241 (96.1 mHz) (First adjacent channel) KIDFM at Idaho Falls, Idaho is a class C station. The distance between KIDFM and Bozeman, Montana is 195 km, 19 km beyond the 176 km separation required between class C and class C3 stations.

Channel 242 (96.3 mHz) (Second adjacent channel) KZIN at Shelby, Montana is a class C1 station. The distance between KZIN and Bozeman, Montana is well beyond the 76 km separation required between class C1 and class C3 stations. Several NEW applications at Billings, Montana are for class C1 stations. The shortest distance between any of these applications and Bozeman, Montana is 196 km, 120 km beyond the 76 separation required between class C1 and class C3 stations.

EXHIBIT THREE continued....

Channel 243 (96.5 mHz) (Third adjacent channel) KQRV at Deer Lodge, Montana is a class C2 station. The distance between KQRV and Bozeman, Montana is 154 km, 98 km beyond the 56 km separation required between C2 and C3 stations. KDZN at Glendive, Montana is a class C1 station. The distance between KDZN and Bozeman, Montana is well beyond the 76 km separation required between class C1 and class C3 stations. KWWF at West Yellowstone, Montana is a class A station. The distance between KWWF and Bozeman, Montana is 108 km, 66 km beyond the separation required between class A and class C3 stations.

All references to Bozeman, Montana refer to geographical coordinates N45-40'-37" and W111-02'-33".

IF SEPARATION

95.9 mHz + 10.6 = 106.5 mHz No station within 31 km (C to C3)

95.9 mHz + 10.8 = 106.7 mHz No station within 31 km (C to C3)

CANADIAN SEPARATION

Canadian border to Bozeman.....343 km (213 miles)

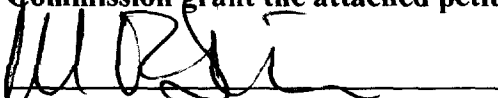
320 km (198 miles) required

The petitioner, BOZEMAN EDUCATIONAL ACCESS RADIO, intends to apply for a construction permit to build an NCE FM station on Channel 240 when this petition for allotment is granted by the Commission.

Actual separation figures are all beyond requirements specified in the Rules of the Commission, Section 73.207 (b) (1). Distances were obtained from the data base of Elliot Communications and verified for accuracy according to methods prescribed in the Commission's Rules.

THEREFORE:

BOZEMAN EDUCATIONAL ACCESS RADIO (BEAR), a non profit organization, incorporated under the laws of Montana, requests that the Commission grant the attached petition for rulemaking.



William R. Smith

President

Bozeman Educational Access Radio

Post Office Box 283

Bozeman MT 59771-0283

2/2/98
Date

This petition was prepared by:

BIG M BROADCAST SERVICES

Post Office Box 807

Veradale WA 99037-0807



C Howard McDonald

President/Chief Engineer

1/22/98
Date

PLEASE REFER ALL COMMUNICATION TO BIG M SERVICES